

10/30/01



Please type a plus sign (+) inside this box → +

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-31308

First Named Inventor or Application Identifier

Mohammed Nafie, et al.

Title

Interference Cancellation of a Narrow Band Interferer in a Wide Band Communication Device

Express Mail Label No.

EL645449246US

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

[Total Pages

17

]

2.  Specification [Total Pages 17]  
(preferred arrangement set forth below)  
 - Descriptive title of the Invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R&D  
 - Reference to Microfiche Appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

3.  Drawing(s) (35 USC d113) [Total Sheets 3]

4. Oath or Declaration [Total Pages 1]

- a.  Newly Executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)

**[Note Box 5 below]**

- i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of  
the oath or declaration is supplied under Box 4b, is considered as  
being part of the disclosure of the accompanying application and is  
hereby incorporated by reference therein.

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6.  Microfiche Computer Program (Appendix)

7.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a.  Computer Readable Copy

- b.  Paper Copy (identical to computer copy)

- c.  Statement verifying identical of above copies

**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & Documents(s))

9.  37 CFR 3.73(b) Statement  
(when there is an assignee)  Power of Attorney

10.  English Translation Document (if applicable)

11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

12.  Preliminary Amendment

13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

14.  Small Entity Statement(s)  Statement filed in prior application  
(PTO/SB/09-12) Status still proper and desired

15.  Certified Copy of Priority Document(s)  
if foreign priority is claimed

16.  Other:

*\*A new statement is required to be entitled to pay small entity fees, except where one has been filed in a prior application and is being relied upon.*

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No: /

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

23494



Correspondence address below

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP CODE \_\_\_\_\_

COUNTRY \_\_\_\_\_

TELEPHONE 972/917-5455

FAX 972/917-4418

Name (Print/Type)

Pedro P. Hernandez

Registration No. (Attorney/Agent)

35,190

Signature

Date  
11/30/01

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997

Small Entity payments **must** be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT

(\$ 844.00)

**Complete If Known**

Application Number

01/30/2001

Filing Date

Mohammed Nafie, et al.

First Named Inventor

Examiner Name

Group / Art Unit

Attorney Docket No.

TI-31308

**METHOD OF PAYMENT****FEE CALCULATION (continued)**

1.  The Commissioner is hereby authorized to charge to the following Deposit Account,

Deposit Account Number

20-0668

- Deposit Account Name  
Texas Instruments Incorporated

- Charge any additional fee required or credit any overpayment  Charge all indicated fees and any additional fee required or credit any overpayment

2.  Payment Enclosed:

Check  Money Order  Other

**ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension of time within second month	
117	950	217	475	Extension of time within third month	
118	1,510	218	755	Extension of time within fourth month	
128	2,060	228	1,030	Extension of time within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt.	
581	40	581	40	Recording each patent assignment per property (time number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	\$710
106	330	206	165	Design filing fee	\$
107	540	207	270	Plant filing fee	\$
108	790	208	395	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$710)	

**2. EXTRA CLAIM FEES**

		Extra Claims	Fee from below	Fee Paid
Total Claims	23	-20** =	3 x 18 =	54.00
Independent Claims	4	-3** =	1 x 80 =	80.00
Multiple Dependent				

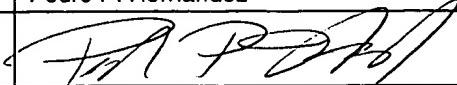
\*\* or number previously paid, if greater; For Reissue, see below.

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent Claims in excess of 3
104	270	204	135	Multiple dependent claims in excess of 3
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$134.00)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) 0.00

Complete (if applicable)

SUBMITTED BY			
Typed or Printed Name	Pedro P. Hernandez		
Signature	 ) / 30 / 01		
	Reg. Number	35,190	
	Deposit Account User ID		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Mohammed Nafie  
Timothy M. Schmidl  
Anand G. Dabak

## 2. Name and Address of receiving party(ies):

Name: TEXAS INSTRUMENTS INCORPORATED  
Address: P.O. Box 655474, MS 3999  
City: Dallas  
State: TX Zip: 75265

Additional name(s) & address(es) attached?  Yes  No

## 3. Nature of Conveyance:

- Assignment       Merger  
 Security Agreement       Change of Name  
 Other \_\_\_\_\_

Execution Date: Nafie 01/26/01; Schmidl 01/26/01; Dabak 01/29/01

## 4. Application number(s) or patent number(s):

 This document is being filed together with a new application

Execution date of the application: Nafie 01/26/01; Schmidl 01/26/01; Dabak 01/29/01

Title: Interference Cancellation of a Narrow Band Interferer in a Wide Band Communication Device  
Docket No: TI-31308A. Patent Application No.(s)  
(to be assigned)

## B. Patent No.(s)

Additional numbers attached?  Yes  NoAdditional numbers attached?  Yes  No5. Name and address of party to whom correspondence concerning  
document should be mailed:

Name: Pedro P. Hernandez, Reg. No. 35,190  
Texas Instruments Incorporated

Address: P.O. Box 655474, MS 3999

City: Dallas

State: TX Zip: 75265

6. Number of applications and patents involved:  (1) 

## 7. Amount of fee enclosed or authorized to be charged: \$40

8. Deposit Account No: 20-0668 (Attach duplicate copy if  
paying by deposit account)

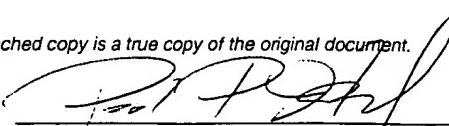
DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date

1/30/01



Pedro P. Hernandez, Reg. No. 35,190

Total Number of Pages Including Cover Sheet, Attachments and Document: 2

JC960 U S P T O  
09/772756  
01/30/01